WEST Search History

DATE: Wednesday, August 20, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L11	L10 and 17	4	L11
L10	L9 and (dna or cdna or nucleic acid or polynucleotide)	6	L10
L9	L8 and (corynebacteria or corynebacteria glutamicum)	6	L9
L8	CcpA1 or catabolite control protein A or ccpa	148	L8
L7	L6 or 15 or 14 or 13 or 12 or 11	33617	L7
L6	(((536/23.1)!.CCLS.))	9234	L6
L5	(((530/350)!.CCLS.))	11257	L5
L4	(((435/320.1)!.CCLS.))	19151	L4
L3	(((435/252.32)!.CCLS.))	126	L3
L2	(((435/252.3)!.CCLS.))	7222	L2
L1	((435/69.1)!.CCLS.)	14033	L1

END OF SEARCH HISTORY

WEST

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20020197605 A1

L10: Entry 1 of 6

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020197605

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020197605 A1

TITLE: Novel Polynucleotides

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

☐ 2. Document ID: US 20020151001 A1

L10: Entry 2 of 6

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151001

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020151001 A1

TITLE: Nucleotide sequences coding for the ccpA1 gene

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

3. Document ID: US 20020120116 A1

L10: Entry 3 of 6

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120116

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020120116 A1

TITLE: ENTEROCOCCUS FAECALIS POLYNUCLEOTIDES AND POLYPEPTIDES

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw. Description

4. Document ID: US 20020068336 A1

L10: Entry 4 of 6

File: PGPB

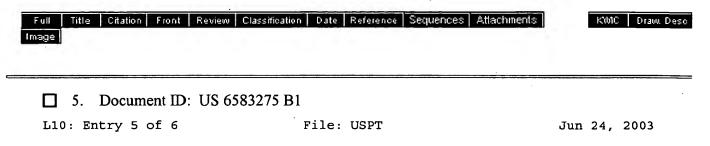
Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020068336

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020068336 A1

TITLE: Nucleotide sequences which code for the CcpA2 gene

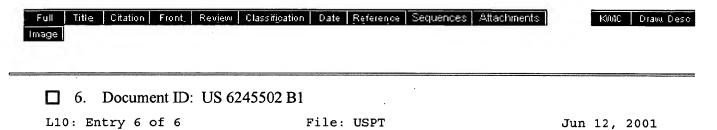


US-PAT-NO: 6583275

DOCUMENT-IDENTIFIER: US 6583275 B1

TITLE: <u>Nucleic acid</u> sequences and expression system relating to Enterococcus faecium

for diagnostics and therapeutics

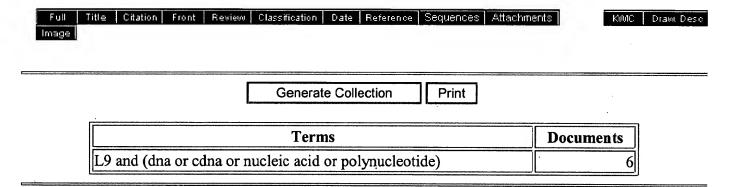


US-PAT-NO: 6245502

DOCUMENT-IDENTIFIER: US 6245502 B1

** See image for Certificate of Correction **

TITLE: Target system



Display Format: - Change Format

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L2

L3

(FILE 'HOME' ENTERED AT 12:58:55 ON 20 AUG 2003)

FILE 'REGISTRY' ENTERED AT 13:01:17 ON 20 AUG 2003
** DEL 1 S CCPA/CN

D

FILE 'HCAPLUS' ENTERED AT 13:01:29 ON 20 AUG 2003

L1 407 SEA ABB=ON PLU=ON CCPA1 OR CATABOLITE CONTROL PROTEIN A OR CCPA

6 SEA ABB=ON PLU=ON L1 (L) (CORYNEBACTERIA OR CORYNEBACTERIA GLUTAMICUM OR (BACTERIA (L) CORYNEFORM))

2 SEA ABB=ON PLU=ON L2 (L) (DNA OR CDNA OR NUCLEIC ACID OR POLYNUCLEOTIDE)

=> d 12 ibib ab 1-6 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2003 ACS on STN L2 ACCESSION NUMBER: 2003:511512 HCAPLUS DOCUMENT NUMBER: 139:80188 Genetically modified Corynebacterium glutamicum with TITLE: genes dctQ and sodit inactivated for the fermentative production of lysine Farwick, Mike; Bathe, Brigitte; Brehme, Jennifer; INVENTOR (S): Schischka, Natalie; Pfefferle, Walter PATENT ASSIGNEE(S): Degussa Ag, Germany PCT Int. Appl., 36 pp. SOURCE: CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE _____ ----_____ -----A2 20030703 WO 2003054207 WO 2002-EP13287 20021126 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG DE 10163167 A1 20030703 DE 2001-10163167 20011221 PRIORITY APPLN. INFO.: DE 2001-10163167 A 20011221 Coryneform bacteria are provided for the enhanced prodn. of L-amino acids. Specifically, the invention relates to a process for the prepn. of L-amino acids consisting of the fermn. of microorganisms of the coryneform bacteria which produce the desired L-amino acid and in which the dctQ and sodit genes, or the nucleotides sequence which codes for them are attenuated. In particular the process provides coryneform bacteria producing the desired L-amino acid, in which one or more of the following genes are overexpressed: lysC, lysE, gap, pyc, zwf, mqo, zwal, tpi, pgk, and dapA. At the same time one or more of the following genes are are attenuated of eliminated: ccpA1, pck, pgi, poxB, fda, and zwa2. Thus, Corynebacterium glutamicum strain DSM5715 was transformed with the pCR2.1dctQint plasmid which inserts into the dctQ gene to inactivate transcription of the C4-dicarboxylate transport protein. Transformed clones produced 14.8 q/L lysine in batch fermn. as compared to 13.5 q/L for the wild type strain. ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2003 ACS on STN ACCESSION NUMBER: 2003:511511 HCAPLUS DOCUMENT NUMBER: 139:80187 TITLE: Genetically modified Corynebacterium glutamicum with gene dctA inactivated for the fermentative production of lysine Brehme, Jennifer; Schischka, Natalie; Marx, Achim PATENT ASSIGNEE(S): Degussa A.-G., Germany SOURCE: PCT Int. Appl., 27 pp.

INVENTOR (S):

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE _____ ---------_____ WO 2002-EP11488 20021015 WO 2003054206 **A1** 20030703

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                                           DE 2001-10162650 20011220
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PRIORITY APPLN. INFO.:
     Coryneform bacteria are provided for the enhanced
     prodn. of L-amino acids. Specifically, the invention relates to a process
     for the prepn. of L-amino acids consisting of the fermn. of microorganisms
     of the coryneform bacteria which produce the desired
     L-amino acid and in which the dctA gene, or the nucleotides sequence which
     codes for it is attenuated. In particular the process provides
     coryneform bacteria producing the desired L-amino acid,
     in which one or more of the following genes are overexpressed: lysC, lysE,
     gap, pyc, zwf, mqo, zwal, tpi, pgk, and dapA. At the same time one or
     more of the following genes are are attenuated of eliminated:
     ccpA1, pck, pgi, poxB, fba, and zwa2. Thus, Corynebacterium
     glutamicum strain DSM5715 was transformed with the pCR2.1dctAint plasmid
     which inserts into the dctA gene to inactivate transcription of the
     C4-dicarboxylate transport protein. Transformed clones produced 15.0 g/L
     lysine in batch fermn. as compared to 13.5 g/L for the wild type strain.
REFERENCE COUNT:
                        3
                              THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER:
                        2003:377055 HCAPLUS
DOCUMENT NUMBER:
                        138:380500
                        Protein and nucleic acid sequence of aspartate kinase
                        gene lysC and production of chemical compounds by
                        fermentation from Coryneform bacteria
INVENTOR(S):
                        Bathe, Brigitte; Kreutzer, Caroline; Moeckel, Bettina;
                        Thierbach, Georg
PATENT ASSIGNEE(S):
                        Degussa AG, Germany
SOURCE:
                        PCT Int. Appl., 127 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE:
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LANGUAGE:
                        English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
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            NE, SN, TD, TG
PRIORITY APPLN. INFO.:
                                       US 2001-309878P P 20010806
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TITLE:

The invention relates to coryneform bacteria which have, in addn. to at least one copy, present at the natural site (locus), of an open reading frame (ORF), gene or allele which codes for the synthesis of a protein or In each case a second, optionally third or fourth copy of this open reading frame (ORF), gene or allele at in each case a second, optionally third or fourth site in a form integrated into the chromosome and processes for the prepn. of chem. compds. by fermn. of these bacteria. The nucleotide and protein sequence of Corynebacterium aspartate kinase gene lysC allele is presented. The invention provides a process for the prepn. of L-lysine by fermn.

L2 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2003:221847 HCAPLUS

DOCUMENT NUMBER: 138:237017

TITLE: Methionine production by Corynebacterium glutamicum

with attenuated metK and brnQ genes

INVENTOR(S): Bathe, Brigitte; Pfefferle, Walter; Huthmacher, Klaus

PATENT ASSIGNEE(S): Degussa AG, Germany SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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     DE 10144493
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                                          DE 2001-10144493 20010911
                                       DE 2001-10144493 A 20010911
PRIORITY APPLN. INFO.:
    A process and coryneform bacterium is provided for the prodn. of
    L-amino acids in which the following steps are carried out:. Fermn. of
     the coryneform bacteria producing the desired L-amino
     acid, in which at least the gene coding for S-adenosylmethionine
```

L-amino acids in which the following steps are carried out:. Fermn. of the coryneform bacteria producing the desired L-amino acid, in which at least the gene coding for S-adenosylmethionine synthetase (metK) and/or the gene coding for a for branched-chain amino acid transport protein (brnQ)is/are attenuated. Enrichment of the desired L-amino acid in the medium or in the bacterial cells, followed by isolation of the L-amino acid. In addn., expression of the genes in the biosynthetic pathway for the desired L-amino acid are enhanced, while at the same time genes that code for the biosynthesis of other amino acids are attenuated. In particular the process provides coryneform bacteria producing the desired L-amino acid, in which one or more of the following genes are overexpressed: lysC, gap, pyc, zwf, mqo, zwa1, tpi, pgk, hom, metA, metB, metE, metH, aecD, glyA, and metY. At the same time one or more of the following genes are are are attenuated of eliminated: thrB, ilvA, thrC, ddh, ccpA1, pck, pgi, poxB, fba, and zwa2. In a preferred embodiment, Corynebacterium glutamicum strain ATCC 21608 is porvided for the fermentative prodn. of L-methionine.

L2 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:171941 HCAPLUS

DOCUMENT NUMBER: 136:231332

TITLE: Sequence of ccpA2 gene from corynebacteria and use

thereof in synthesis of L-lysine

INVENTOR(S): Moeckel, Bettina; Kreutzer, Caroline; Hermann, Thomas;

Farwick, Mike; Marx, Achim; Pfefferle, Walter

PATENT ASSIGNEE(S): Degussa Ag, Germany SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

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A1 20020307
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                                                             20010827
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                                         DE 2000-10042053 A 20000826
PRIORITY APPLN. INFO.:
                                         DE 2001-10123071 A 20010511
                                         WO 2001-EP7386
                                                         W 20010628
     The ccpA2 gene of Corynebacterium glutamicum ATCC13032 encoding a
AB
     catabolite control protein A is
     cloned for use in increasing the efficiency of fermn. of L-lysine by
     coryneform bacteria. The expression vector contg. ccpA2
     gene is constructed. Methods and culture media for fermentative prepn. of
     L-lysine with recombinant bacterial strains transformed with these vectors
     are also provided. Disruption of the ccpA2 gene by integration
     mutagenesis using ccpA2 expression vector increased the yield of lysine in
     a Corynebacterium host from 13.53 g lysine/L at 7.9 OD660 to 14.94 g
     lysine/L at 8.1 OD660. The fermentatively prepd. L-lysine are useful in
     pharmaceutical industry and foodstuff industry and very particularly in
     animal nutrition.
REFERENCE COUNT:
                                THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER:
                         2002:171931 HCAPLUS
DOCUMENT NUMBER:
                         136:231329
TITLE:
                         Sequence of ccpAl gene from
                         corynebacteria and use thereof in synthesis of
                         L-lysine
INVENTOR (S):
                         Moeckel, Bettina; Kreutzer, Caroline
PATENT ASSIGNEE(S):
                         Degussa Ag, Germany
                         PCT Int. Appl., 38 pp.
SOURCE:
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
                         English
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
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AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

US 2001-938540

20010827

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

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A1

US 2002151001

PRIORITY APPLN. INFO.:

DE 2000-10042054 A 20000826 DE 2001-10110052 A 20010302 US 2001-279413P P 20010329 WO 2001-EP8356 W 20010719

AB The ccpA1 gene of Corynebacterium glutamicum ATCC13032 encoding a catabolite control protein A is cloned for use in increasing the efficiency of fermn. of L-lysine by coryneform bacteria. The expression vector contg. ccpA1 gene is constructed. Methods and culture media for fermentative prepn. of L-lysine with recombinant bacterial strains transformed with these vectors are also provided. Disruption of the ccpA1 gene by integration mutagenesis using ccpA1 expression vector increased the yield of lysine in a Corynebacterium host from 13.01 g lysine/L at 7.5 OD660 to 14.24 g lysine/L at 7.7 OD660. The fermentatively prepd. L-lysine are useful in pharmaceutical industry and foodstuff industry and very particularly in animal nutrition.